Foundations of Algebra

Module 5: Quantitative Reasoning with Functions

MODULE ANALYSIS TABLE

| Lesson | Time Allotment | Must Have/Condense/Possibly Omit  Notes |
| --- | --- | --- |
| 1. [Relations](#Variable) and Functions | 60 mins | Must Have |
| 2. [Function](#Analyzing) Rules | 30 mins | Must Have |
| 3. [Foxes](#Set) and Rabbits | na | Possibly Omit or Condense if students do well with Lessons 1 & 2 |
| 4. [Quick](#Let) Check 1 | 30 mins | Must Have  Quick formative assessment  Can be used as homework |
| 5. [Which](#Solving) Ticket is the Best Deal? | 90 mins | Must Have  Good engaging scenario. Encourage students to find similar scenarios. Relate to unit rate. |
| 6. [Reviewing](#Deconstructing) Rate of Change | 30 mins | Possibly Omit or Condense if students do well with Lesson 5 |
| 7. [How](#Steps) Did I Move? | 60 mins | Must Have  Good engaging task on football field |
| 8. [By](#TV) the Book | 50 mins | Must Have  Good contextual task |
| 9. [Equations](#When) of Attack | 60 mins | Must Have  Good practice task; review of graphing |
| 10. Key Features of Functions | 45 mins | Must Have  May need scaffolding |
| 11. [Analyzing](#Yogurt) Linear Functions | 120 mins | Must Have  Grade 8 Unit 5 FAL  Will guide the rest of the unit |
| 12. [Functions](#Battleship) | 60 mins | Possibly Omit or Condense if you think the introduction of nonlinear functions will be too confusing |
| 13. [Quick](#Acting) Check II | 30 mins | Possibly Omit or Condense if you get good information from the FAL in Lesson 11  Can be used as homework |
| 14. [Beads](#Acting) Under the Cloud (FAL) | 60 - 90 mins | Must Have  Move to earlier in the module to assess problem solving.  Extension can be used at this point in the module. |
| 15. [Floating](#Free) Down the Lazy River | 60 – 90 mins | Must Have  Good task |
| 16. [Getting](#Stacking) Ready for a Pool Party | 60 – 90 mins | Must Have  Good task |
| 17. [Cell](#Planning) Phones | 90 mins | Must Have  Spend time with function notation in students’ math journals |
| 18. [Quick](#Field) Check III | 30 mins | Can be used as homework |
| 19. How Much Does a 100 x 100 In-N-Out Cheeseburger Cost? | 90 – 120 mins | Must Have  Fun task at the end of the unit |